EVIDENCE-BASED BIOMECHANICAL EQUIPMENT

PRODUCT CATALOG | 2015/16

NORAXON

Evidence-Based Biomechanics

NORAXON
Evidence-Based Biomechanics

SOLUTIONS FOR EMG, KINETICS & KINEMATICS

The most advanced technology, software and support designed for research and specifically tailored for clinical and performance purposes.

CONTENTS:

myoRESEARCH - Biomechanical Analysis Software	3
Wireless EMG Systems (DTS)	6
Wireless Biomechanical Sensors (DTS)	12
Wireless EMG Receivers	16
Telemetric EMG Systems	18
Inline Biomechanical Sensors	21
Biomechanical Measurement Accessories	25
Pre-Amplified EMG Leads & Adapter Cables	28
EMG Electrodes	31
myoVIDEO	33
myoMOTION (3D kinematic system)	36
Dynamic Pressure Measurement (DPM) Systems	42
DPM-T (instrumented treadmills)	44
DPM Platforms (pressure platforms)	48
DPM Insoles (wireless pressure insoles - Medilogic)	49
REHAwalk - Gait Analysis & Training Program	51
myoMETRICS lab - Complete Biomechanics Lab	53
Warranty & Service Policies	55

BIOMECHANICAL ANALYSIS SOFTWARE

BIOMECHANICAL ANALYSIS SOFTWARE

MR3.8

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SOFTWARE	MODULE	myoMUSCLE			myoVIDEO	myoMOTION	myoPRESSURE
FEATURES & FUNCTIONS	VERSION	Essential	Clinical	Master	All Versions	All Versions	All Versions
Measurement							
Point and click sensor selection maps		X	X	X		X	
Multi device - synchronize multiple MR3 modules with other Noraxon hardware			X	X	X	X	X
Multi device - synchronize with analog signals from non-Noraxon hardware		X	X	X	X	X	X
Real time signal processing		X	X	X		X	
Biofeedback – Threshold training with sound or video feedback			X	X		X	
Dual screen support - drag and open elements on multiple monitors		X	X	X	X	X	X
1 Camera reference video (option to automatically synchronize)		X	X	X	X	X	X
2 (or more) cameras recording with automatic synchronization					X		
High speed video integration					X		
Force vector overlay (requires a 3D force plate)					X		
Pressure Measurement with one dimensional force graphs							X
3D Pressure mountain display							X
Audio - record and synchronize audio		X	X	X	X	X	X
3D Skeletal avatar						X	
Object Sensors - to measure 3D movements of objects correlated to skeleton						X	
Visual Translation - 6 degrees of freedom displayed visually						X	
Virtual Foot Switch - digital capture of gait timing						X	
Database							
Multi-tiered database structure organzed by projects and patients		X	X	X	X	X	X
Copy, delete, edit of records		X	X	X	X	X	X
Import & Export (Ascii, Excel, C3D, MatLab)		X	X	X	X	X	X
Video files import & export					X		
Normative data - ability to custom design your own normative database		X	X	X	X	X	X
Normative data - small sample set included			X	X		X	X
Viewer							
Digital smoothing menu (RMS and Moving Average)		X	X	X		X	
Amplitude normalization		X	X	X			
ECG-reduction		X	X	X			
Time shift correction		X	X	X	X	X	X
Access to raw data		X	X	X	X	X	X
Video analysis functions - access to a full suite of drawing and analysis tools					X		
2D automated marker tracking					X		
Play to video - create an AVI of any record or screen capture part of the record		X	X	X	X	X	X
Video clip export - export just the video					X		
Analysis & Reports							
Customizable reports - full report editor			X	X	X	X	X
Copy and paste report elements with import/export functionality		X	X	X	X	X	X
Report Export (Ascii, Excel, HTML, clipboard)		X	X	X	X	X	X
Compare multiple records & channels in the viewer and in reports		X	X	X	X	X	X
Normative data comparison in reports			X	X		X	X
Standard amplitude analysis		X	X	X		X	
Frequency Fatigue		X	X	X			
Spectrum Curve		X		X			
Averaged Curves		X	X	X		X	X
Clinical Coordination			X	X		X	
Clinical Symmetry			X	X		X	
Clinical Biofeedback			X	X		X	
Clinical Template Training - 2015			X	X			
Clinical Incontinence - 2015			X	X			
Point of Interest analysis		X	X	X	X	X	X
Isokinetics		X	X	X			
Clinical & Bilateral Gait			X	X		X	X
Ergonomics Protocols				X			
Jump Tests Force/Contact Plate				X			
Timing Onset and Firing Order			X	X			
Video analysis, drawing & tracking tools					X		
Gait Parameter Table						X	X
COP Gait line and Butterfly diagram							X
Pressure Foot Prints							X
Tremor Analysis				X			
TMD Analysis				X			
Wavelet Analysis				X			
Temporal parameters in gait						X	X
Spacial parameter in gait							X

MR3 is a software platform that was specifically designed for multi-device activty. It is now possible to synchronously capture and analyze data from EMG, biomechanical sensors, video, 3D (IMU) kinematics, pressure and force technologies or any other system that provides an analog signal.

Module Upgrades

PART #	DESCRIPTION
480E	myoMUSCLE (Essential, Clinical and Master)
480V	myoVIDEO (HD and Pro)
480M	myoMOTION Research
480P	myoPRESSURE (treadmills, platforms and insoles)

**Yearly upgrades are done on a per/module basis. For example, if you currently own a solution that includes: EMG, myoVIDEO and a pressure treadmill, then you will need to purchase: 480E, 480V and 480P*

***Yearly upgrades provide free access to 12 months of patches and bug fixes, as well as telephone support*

****We promise to include enough new features and functions in our yearly software release to justify the module upgrade*

Version Upgrades

PART #	DESCRIPTION
133-433	MRXP to MR3 myoMUSCLE (same version, example: Master to Master)
430-431	myoMUSCLE Data Acquisition to myoMUSCLE Essential
430-433	myoMUSCLE Data Acquisition to myoMUSCLE Master
431-433	myoMUSCLE Essential to myoMUSCLE Master
432-433	myoMUSCLE Clinical to myoMUSCLE Master

Software Platform Options

PART #	DESCRIPTION
482	MR3 Student License: Fully unlocked version of MR3 that contains all modules and processing and reporting capabilities. Student license is restricted from recording data and is valid for 12 months. * Student license is included for free with the purchase of any Noraxon solutions.
485	One (1) platform level Site License – if more than the two (2) originally provided are needed
Vicon-SDK	Vicon digital plugin (included for free with any purchase of hardware and software)
Qualysis-SDK	Qualysis digital plugin (included for free with any purchase of hardware and software)

Stand-Alone Module Pricing

PART #	DESCRIPTION
431	myoMUSCLE Essential (no multi-device functionality)
432	myoMUSCLE Clinical
433	myoMUSCLE Master
434	myoMUSCLE Developers Kit (SDK)
440	myoVIDEO HD
441	myoVIDEO Pro
463	myoMOTION Research
450	myoPRESSURE (treadmill, platforms or insoles)

myoMUSCLE

Evidence-Based Surface EMG

DTS SYSTEMS

CLINICAL | DIRECT TRANSMISSION SYSTEM (DTS)

The Clinical Direct Transmission System (Clinical DTS) for EMG and other biomechanical sensors directly transmits data from the electrode or sensor site to a small USB receiver. The DTS system can operate any configuration between two and eight channels. The default system is equipped with EMG preamplifiers but can be upgraded with other biomechanical sensors such as goniometers, inclinometers, foot switches, etc. A synchronization system can be used to accurately synchronize the Clinical DTS System to other biomechanical devices, video, pressure or motion technologies. The Clinical DTS EMG signal is pre-processed using a 100ms RMS filter to provide clinicians with clean, easy-to-read signals.

[WHAT'S INCLUDED]

- Clinical DTS Wireless EMG Sensors
- Sensor leads - pinch
- Sensor battery charger (8 block)
- USB A to mini B cable
- 16 dual electrodes (sample pack)
- 200 pieces doublesided tape
- myoMUSCLE Clinical software
- Clinical USB receiver

SYSTEM PACKAGE

PART #	PRODUCT NAME	DESCRIPTION
584-2C	2 Channel CDTS	2 Channel Clinical DTS EMG system with myoMUSCLE Clinical software
584-4C	4 Channel CDTS	4 Channel Clinical DTS EMG system with myoMUSCLE Clinical software
584-8C	8 Channel CDTS	8 Channel Clinical DTS EMG system with myoMUSCLE Clinical software

ACCESSORIES

PART #	PRODUCT NAME	DESCRIPTION
044C	DTS Bluetooth Module	Includes Android biofeedback application
542AP	DTS Pinch Lead	Wireless surface EMG pinch lead
542C	DTS Tape	Doublesided tape for DTS sensor (504 units)
543	DTS Charger	8 sensor charger with power supply

**If you are purchasing your own Android tablet, Noraxon recommends Samsung, Google or Motorola.*

Clinical Gait

Clinical Rehabilitation

MINI | DIRECT TRANSMISSION SYSTEM (DTS)

The Mini Direct Transmission System (Mini DTS) is the newest member of the Noraxon EMG family. It is our entry level wireless research system that is designed to support EMG and other biomechanical sensors The DTS system can operate any configuration between one and four channels. It samples at up to 3,000 Hz for up to 2 channels and at 1,500 Hz for up to 4 channels. The default system is equipped with EMG preamplifiers but can be upgraded with other biomechanical sensors such as goniometers, inclinometers, foot switches, etc. A synchronization system can be used to accurately synchronize the Mini DTS System to other biomechanical devices, video, pressure or motion technologies. Now, for the first time, research is affordable and realistic with access to the highest fidelity biomechanical sensors and all of the raw data.

[WHAT'S INCLUDED]

- Lossless DTS Wireless EMG Sensors
- Sensor leads - pinch
- Sensor battery charger (8 block)
- USB A to mini B cable
- 16 dual electrodes (sample pack)
- 200 pieces doublesided tape
- myoMUSCLE Master software
- Mini DTS USB receiver

NEW

SYSTEM PACKAGE

PART #	PRODUCT NAME	DESCRIPTION
585-0M	0 Channel MDTS *	0 Channel Mini DTS EMG system with myoMUSCLE Master software
585-2M	2 Channel MDTS	2 Channel Mini DTS EMG system with myoMUSCLE Master software
585-4M	4 Channel MDTS	4 Channel Mini DTS EMG system with myoMUSCLE Master software

* This option is designed for those who do not need EMG but instead need a research quality receiver to use with other types of biomechanical sensors. Please order the biomechanical sensors by part#. This option does include one sensor charging block.

ACCESSORIES

PART #	PRODUCT NAME	DESCRIPTION
542AP	DTS Pinch Lead	Wireless surface EMG pinch lead
542C	DTS Tape	Doublesided tape for DTS sensor (504 units)
543	DTS Charger	8 sensor charger with power supply

LIMITATIONS:

1.) The Mini DTS receiver does not support the "Lossless" functionality, however the Lossless DTS sensors can still be used with this system. This allows the user to upgrade to the Desktop or Telemyo receiver in the future.

2.) Analog output is not available. Users may export the raw data post hoc if they need this functionality

3.) Currently the Mini DTS system cannot be stacked to use more than one receiver. This means that 4 channels (sensors) is the absolute maximum.

4.) Overall the Mini DTS system has the same functionality and fidelity as the Desktop or Telemyo systems.

5.) The Mini DTS system is only offered with myoMUSCLE Master

DESKTOP | DIRECT TRANSMISSION SYSTEM (DTS)

The Desktop DTS system can operate any configuration between 4 and 16 channels or it an be combined with a 2nd system to operate up to 32 channels. The default system is equipped with EMG preamplifiers but can be upgraded or synchronized with other biomechanical sensors such as goniometers, inclinometers, foot switches, etc. Additionally, the Desktop DTS can operate in stand- alone analog out mode for easy synchronization with motion capture and other peripheral equipment. The perfect solution for any research lab.

[WHAT'S INCLUDED]

- Research DTS "Lossless" EMG Sensors
- Sensor leads - pinch
- Sensor battery charger (8 block)
- USB A to mini B cable
- 16 dual electrodes (sample pack)
- 200 pieces doublesided tape
- myoMUSCLE Master software
- Desktop USB Receiver

SYSTEM PACKAGE

PART #	PRODUCT NAME	DESCRIPTION
587-4M	4 Channel DDTS	4 Channel Desktop DTS EMG with myoMUSCLE Master software
587-8M	8 Channel DDTS	8 Channel Desktop DTS EMG with myoMUSCLE Master software
587-12M	12 Channel DDTS	12 Channel Desktop DTS EMG with myoMUSCLE Master software
587-16M	16 Channel DDTS	16 Channel Desktop DTS EMG with myoMUSCLE Master software
587-32M	32 Channel DDTS	32 Channel Desktop DTS EMG with myoMUSCLE Master software
586-AO	Analog Outputs	16 Channel analog output DB-25 connecctor built-in to Desktop DTS

SOFTWARE OPTIONS (PACKAGE PRICING - Not Sold Separately)

PART #	PRODUCT NAME	DESCRIPTION
433-431	Essential	Downgrade to Essential version (*no multi-device functionality*)
Included	Master	Master version - the MOST comprehensive software for EMG

ACCESSORIES

PART #	PRODUCT NAME	DESCRIPTION
542AP	DTS Pinch Lead	Wireless surface EMG pinch lead
542C	DTS Tape	Doublesided tape for DTS sensor (504 units)
543	DTS Charger	8 sensor charger with power supply
587	Desktop Receiver	Replacement Desktop DTS Receiver

Sports Research

Research Outside The Lab

TELEmyo | DIRECT TRANSMISSION SYSTEM (DTS)

The TELEmyo™ Direct Transmission System (TELEmyo DTS) for EMG and other biomechanical sensors directly transmits data from the electrode or sensor site to a belt-worn receiver. The DTS system can operate any configuration between 4 and 16 channels or it can be combined with a second system to operate up to 32 channels. The default system is equipped with EMG preamplifiers but can be upgraded with other biomechanical sensors like goniometers, inclinometers, foot switches, and accelerometers. A wireless synchronization system can be used to accurately synchronize the TELEmyo DTS System to other biomechanical devices.

[WHAT'S INCLUDED]

- Research DTS "Lossless" EMG Sensors
- Sensor leads - pinch
- Belt receiver holster and belt clip
- PC interface receiver
- Sensor battery charger
- USB A to mini B cable
- DTS belt receiver with WiFi card
- 16 dual electrodes (sample pack)
- 200 pieces doublesided tape
- myoMUSCLE Master software

SYSTEM PACKAGE

PART #	PRODUCT NAME	DESCRIPTION
580-4M	4 Channel TDTS	4 Channel TELEmyo DTS EMG with myoMUSCLE Master software
580-8M	8 Channel TDTS	8 Channel TELEmyo DTS EMG with myoMUSCLE Master software
580-12M	12 Channel TDTS	12 Channel TELEmyo DTS EMG with myoMUSCLE Master software
580-16M	16 Channel TDTS	16 Channel TELEmyo DTS EMG with myoMUSCLE Master software
580-32M	32 Channel TDTS	32 Channel TELEmyo DTS EMG with myoMUSCLE Master software

SOFTWARE OPTIONS (PACKAGE PRICING - Not Sold Separately)

PART #	PRODUCT NAME	DESCRIPTION
433-431	Essential	Downgrade to Essential version *(no multi-device functionality)*
Included	Master	Master version - the most comprehensive software for EMG

RECEIVER OPTIONS (PACKAGE PRICING - Not Sold Separately)

PART #	PRODUCT NAME	DESCRIPTION
581SUB	DTS A/O Module[1]	Analog Output Module **IN PLACE** of PC Interface Receiver
292SUB	Mini-Receiver [2]	8 Channel Mini-Receiver **IN PLACE** of PC Interface Receiver
292WSUB	Mini-Rec. w/ Wireless [2]	8 Channel Mini-Receiver w/ wireless sync **IN PLACE** of PC Interface Receiver
291-16SUB	16 Channel 2400R [3]	16 Channel Analog Output Receiver **IN PLACE** of PC Interface Receiver
291-32SUB	32 Channel 2400R [3]	32 Channel Analog Output Receiver **IN PLACE** of PC Interface Receiver

ACCESSORIES

PART #	PRODUCT NAME	DESCRIPTION
580	Belt Receiver Bundle [4]	Replacement belt receiver, with accessories (belt clip, WiFi card, cables)
580J	Sync Cable	Wired sync cable with inverter switch
580K	DTS Master/Slave Cable	Serial cable to link two TELEmyo DTS together for a 32 channel system
290B	WiFi Card	Compact flash WiFi card for telemetric retransmission (100 meter range)

DTS SENSORS

SENSORS | DIRECT TRANSMISSION SYSTEM (DTS)

Our extensive array of biomechanical sensors complement the very best EMG has to offer. Our sensor construction guarantees an effective use in a variety of application areas, such as medical research, sports analysis, rehabilitation, ergonomics and robotics.

DTS EMG Probe

PART #	DESCRIPTION
548	Wireless Research "Lossless" EMG Probes
546	Wireless Clinical EMG Probes
542AP	DTS EMG Pinch-End Lead *(3 inches/7.5 cm)*
542AX	DTS EMG Pinch-End Lead Long *(7 inches/18 cm)*
542AY	DTS EMG Pinch-End Lead X-Long *(11 inches/28 cm)*
542FW	DTS Fine Wire Lead Set
542C	DTS Sticker - double sided anti-allergenic stickers for DTS probe (504 units)
543	DTS Charger - 8 sensor charging block

DTS Footswitch Probe with 4 FSR

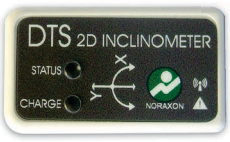
PART #	DESCRIPTION
500-4	DTS Footswitch probe with 4 FSR sensors for one foot and four quadrants
500-4 (x2)	2 DTS Footswitch probe with 4 FSR sensors (4 quadrants) for each foot
REPLACEMENT PARTS:	
FSR1	1 sq cm sensing area
FSR2	1.5 inch square (upon request)
FSA1	Footswitch sensor assembly with 4 FSRs - one foot (unilateral gait)

DTS Footswitch Probe with Insoles

PART #	DESCRIPTION
500-IS	DTS footswitch set with two DTS probes and one pair of insoled, for both feet and bilateral gait, provides up to four quadrants per foot
REPLACEMENT PARTS:	

One pair insoles *(please specify size)*

Part Number	US Size	EU Size	Length(cm)
085F1	Men 7	39	26
085F2	Men 9	43	28
085F3	Men 11	44.5	30
085F4	Women 5	35	24
085F5	Women 7	37.5	26
085F6	Women 9	40	27



DTS 2D Inclinometer

PART #	DESCRIPTION
514	Single radio module with two sub channels Measures tilt level of sensor to ground in degrees

SENSORS | DIRECT TRANSMISSION SYSTEM (DTS)

DTS 3D Accelerometer

PART #		DESCRIPTION
517		Single radio module with 3 sub channels. 3D (X, Y, and Z) sensor with a dual operational range of 2g and 6g.
518		Single radio module with 3 sub channels. 3D (X, Y, and Z) sensor with an operational range of 24g.
519	NEW	Single radio module with 3 sub channels. 3D (X, Y, and Z) sensor with a dual, operational range of 100g and 400g

DTS Electrical Goniometer

PART #	DESCRIPTION
508-2	2-D electrical goniometer; single radio module with 2 sub channels
508-NS	DTS probe WITHOUT electrical goniometer sensor

DTS Mechanical Goniometer

PART #	DESCRIPTION
504	1-D mechanical goniometer with gliding pivot point suitable for knee, elbow and angle range of motion measurement.

DTS Flexiforce Local Pressure Sensor

PART #	DESCRIPTION
	Measure force/pressure acting on surface. Useful in measuring gripping forces of fingers or pressure changes in small areas.
524-1	1lb / 4.45 N
524-25	25lb / 111 N
524-100	100lb / 445 N
REPLACEMENT SENSORS:	
324B	1lb / 4.45 N sensitivity 5V/lb (1.13V/N)
324C	25lb / 111 N sensitivity 200mV/lb (45mV/N)
324D	100lb / 445 N sensitivity 50mV/lb (1135mV/N)

DTS Force Sensor

PART #	DESCRIPTION
	Measure dynamic or isometric forces. Attach to weight machine cables, belt, anchored cable or wall/post mounting bracket.
521	100lb-F (445N)
520	500lb-F (2200N)

SENSORS | DIRECT TRANSMISSION SYSTEM (DTS)

DTS Scientific Handgrip Dynamometer

PART #	DESCRIPTION
529	Jaymar style handgrip. Measure grip strength with this strain-gauge based isometer sensor. Operational range 0 to 889N (0 to 200 lbF) Sensitivity 25mV/lbF, uses one channel.

DTS Universal Analog Input Probe

PART #	DESCRIPTION
511	For connection to mobile third party sensors, operated in the +/- 10 volts signal range. Accepts self-powered analog signals only.

DTS BioMonitor (cardiorespiratory sensor)

		DESCRIPTION
552	NEW	Simultaneously capture heart rate, respiration and temperature. (This singular sensor provides 6 signals: heart rate & waveform, respiratory rate & waveform, skin temperature and R/R intervals)

DTS EOG (Electrooculography - eye tracking sensor)

PART #	DESCRIPTION
553	Modified DTS EMG sensor with 11" leads. Includes two (2) sensors to track eye movement based on electrical signals above and below the eyes and on the right/left sides of the eyes.

DTS RECEIVERS

RECEIVER OPTIONS | STAND ALONE OPTIONS

These receivers may be used with the TELEmyo 2400T G2 Transmitter and the TELEmyo DTS Belt Receiver.

TELEmyo 2400R G2

PART #	DESCRIPTION
	Telemetry receiver unit provides up to 32 analog outputs and allows 8 inputs. Isolated serial data port. Includes WiFi radio card (antenna), power supply, USB interface cable and built-in wireless sync.
291-16	16 Channel
291-32	32 Channel
ACCESSORIES:	
2917C	Biodex 3 to 2400R G2 interface cable
291D	Stripped and tinned DB25 output cable

TELEmyo 2400R G2 USB Mini-Receiver

PART #	DESCRIPTION
292	Accepts 8 Channels of analog input, isolated serial data port. Includes analog input interface cable, USB A to mini-B filtered cable, WiFi and radio card.
292-WS	Includes the components above plus internal sync receiver card, wireless sync antenna, manual trigger, inline wireless sync receiver, and wireless sync cable
ACCESSORIES:	
2917B	Analog input interface cable
2917D	Biodex to Mini-Receiver interface cable
2917E	Humac Cybex Norm to Mini-Receiver interface cable
2912C	10 foot interface cable for wireless sync (3.5mm to BCN)

PC Interface Receiver

PART #	DESCRIPTION
293	If analog inputs or wireless sync are not needed, this USB based receiver provides users more freedom in their choice of computers along with simple installation and setup.

DTS Analog Output Module

PART #	DESCRIPTION
581	May be used in place of the PC Interface Receiver Card on DTS systems. Can be added to existing Desktop DTS units without analog output capabilities.

Compact Flash WiFi Radio Card

PART #	DESCRIPTION
290B	Compact Flash WiFi card can be used with the TELEmyo 2400T G2, 2400R G2, Mini-Receiver and the PC Interface Receiver Card.

TELEMETRY EMG

myoTRACE 400

The myoTRACE™ 400 is the latest in portable, handheld measurement technology. It operates with two channels in stand alone mode and four channels in PC-mode. A wide variety of compatible "plug-in" Noraxon sensors can be used with the myoTRACE 400. In addition to SEMG, force transducers, goniometers, inclinometers, accelerometers, hand dynamometers, and foot switches can be used to objectively evaluate the functional status of the musculoskeletal system. The myoTRACE system is designed for the busy clinician interested in accurate and quick measurements. The user-friendly, menu-driven operation is ideal for clinicians in orthopedic, neurological, clinical sports training and ergonomic settings. The myoTRACE 400 may be optionally connected to a PC and used for more advanced analysis with our myoRESEARCH software. The myoTRACE is also an excellent choice for research that only requires up to 4 channels.

[WHAT'S INCLUDED]

- Leads/Pre-Amps - pinch
- Battery Charger
- Stereo headphones
- Belt clip
- Small carrying case
- Sample dual electrodes
- PC interface using BlueTooth
- Desk stand
- Wall hanger
- myoMUSCLE software

SYSTEM PACKAGE

PART #	PRODUCT NAME	DESCRIPTION
056-2	2 Channel MT400	Two (2) Channel PC Interface version and myoMUSCLE Clinical
056-4	4 Channel MT400	Four (4) Channel PC Interface version and myoMUSCLE Clinical

SOFTWARE OPTIONS (PACKAGE PRICING - Not Sold Separately)

PART #	PRODUCT NAME	DESCRIPTION
433U1	MM-Master	With myoMUSCLE Master software upgrade

ACCESSORIES

PART #	PRODUCT NAME	DESCRIPTION
PSU4	Battery Charger [1]	MT400 battery charger supply 5 volt
BP6	Battery Pack	MT400 battery pack
044	PC Interface [2]	MT400 PC Interface
044A	Serial Cable [3]	MT400 serial cable (15 ft)

1

2

3

TELEmyo 2400T G2

The TELEmyo™ 2400T G2 Transmitter is the latest generation of surface and Fine Wire telemetric EMG systems that transmits up to 100 meters. It combines high-quality, scientifically-reliable data with mobility, flexibility and ease-of-use. The most affordable way to accomplish the highest levels of reseach.

[WHAT'S INCLUDED]

- Leads/Pre-Amps - pinch
- WiFi radio card
- Battery charger
- Belt worn holster and belt clip
- PC Interface Receiver
- USB A to Mini-B cable
- myoMUSCLE software

SYSTEM PACKAGE

PART #	PRODUCT NAME	DESCRIPTION
290-8M	8 Channel 2400T G2	8 Channel tethered EMG system with myoMUSCLE Master software
290-16M	16 Channel 2400T G2	16 Channel tethered EMG system with myoMUSCLE Master software
290-32M	32 Channel 2400T G2	32 Channel tethered EMG system with myoMUSCLE Master software

SOFTWARE OPTIONS (PACKAGE PRICING - Not Sold Separately)

PART #	PRODUCT NAME	DESCRIPTION
433-431	Essential	Downgrade to Essential version (no multi-device functionality)
Included	Master	Master version - the most comprehensive software for EMG

RECEIVER OPTIONS (PACKAGE PRICING - Not Sold Separately)

PART #	PRODUCT NAME	DESCRIPTION
292SUB	USB Mini-Receiver [1]	8 Channel Mini-Receiver
292-WSSUB	Mini-Rec. w/ Wireless	8 Channel Mini-Receiver with wireless sync
291-16SUB	16 Chnl 2400R [2]	16 Channel Analog Output Receiver
291-32SUB	32 Chnl 2400R [2]	32 Channel Analog Output Receiver

ACCESSORIES

PART #	PRODUCT NAME	DESCRIPTION
290J	G2 16 Chnl Upgrade Kit	TM2400T G2 expansion from 8 to 16 Channels
290A	Battery Cassette [3]	Spare battery pack and enclosure
BP6A	Battery Pack	Battery pack only - not including enclosure
290C	Battery Charger [4]	Spare battery charger and 5V DC power supply
290K	TM2400T G2 Master/Slave Cable	Serial cable to link two TM2400T together for a 32 channel system.
348	Data Logger Control [5]	Data logger control, 512MB Flash Memory card (card reader not included)

1

2

3

4

5

INLINE SENSORS

INLINE SENSORS

Our extensive array of biomechanical sensors complement the very best EMG has to offer. Our sensor construction guarantees an effective use in a variety of application areas, such as medical research, sports analysis, rehabilitation, ergonomics and robotics.

Inline Footswitch Probe With FSR

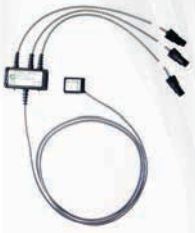
PART #	DESCRIPTION
300-2	Inline Footswitch probe with 2 FSR sensors - one foot (heel and toe)
300-2 (x2)	Two Inline Footswitch probe with 2 FSR sensors (heel and toe) for each foot
UPON REQUEST:	
300-4	Inline Footswitch probe with 4 FSR sensors - one foot (unilateral) 1.5 inch square
300-4 (x2)	Two Inline Footswitch probe with 4 FSR sensors (bilateral gait) for each foot
REPLACEMENT PARTS:	
FSA3	Footswitch sensor assembly 2 FSR sensors - one foot (heel and toe)
FSA1	Footswitch sensor assembly with 4 FSRs - one foot (unilateral gait)
FSR1	Individual FSR 1 sq cm sensing area
FSR2	"1.5 inch square (upon request) to Inline Footswitch Probe with FSR

Inline Footswitch Probe with Insoles

PART #	DESCRIPTION
300-IS (x2)	Pair of foot insoles with on/off signal for both feet and bilateral gait, provides up to four quadrants per foot.
REPLACEMENT PARTS:	

One pair insoles *(please specify size)*

Part Number	US Size	EU Size	Length(cm)
085F1	Men 7	39	26
085F2	Men 9	43	28
085F3	Men 11	44.5	30
085F4	Women 5	35	24
085F5	Women 7	37.5	26
085F6	Women 9	40	27



Inline 3D Accelerometer

PART #	DESCRIPTION
317A	3D (X, Y, and Z) sensor with a dual operational range (2g and 6G)
317B	3D (X, Y, and Z) sensor with an operational range of 16g

INLINE SENSORS

Inline Electrical Goniometer

PART #	DESCRIPTION
308x2	2-D electrical goniometer; 1 sensor, 2 lead sets, uses 2 channels
308NSx2	2 lead pre-amp set without electrical goniometer sensor
308-2R	2-D goniometer (replacement sensor only)

Inline Mechanical Goniometer

PART #	DESCRIPTION
304	1-D mechanical goniometer with gliding pivot point suitable for knee, elbow and angle range of motion measurements.

Inline Flexiforce Local Pressure Sensor

PART #	DESCRIPTION
	Measure force/pressure acting on surface. Useful in measuring gripping forces of fingers or pressure changes in small areas.
324-1	1lb / 4.45 N, sensitivity 5V/lb (1.13V/N)
324-25	25lb / 110 N, sensitivity 200mV/lb (45mV/N)085F1
324-100	100lb / 445 N, sensitivity 50mV/lb (1135mV/N)
REPLACEMENT SENSORS:	
324B	1lb / 4.45 N, sensitivity 5V/lb (1.13V/N)
324C	25lb / 110 N, sensitivity 200mV/lb (45mV/N)
324D	100lb / 445 N, sensitivity 50mV/lb (1135mV/N)

Inline Force Sensor

PART #	DESCRIPTION
	Measure dynamic or isometric forces. Attach to weight machine cables, belt, anchored cable or wall/post mounting bracket
321	100lb-F (445N), sensitivity 10mV/lb (2.27mV/N)324-25
320	500lb-F (2200N), sensitivity 10mV/lb (2.27mV/N)

Inline Handgrip Dynamometer (Biofeedback)

PART #	DESCRIPTION
328	Measure grip strength with this strain-gauge based isometric sensor. Operational range: 0 to 600N, accuracy +/- 0.6N, uses one channel.

INLINE SENSORS

Inline Scientific Handgrip Dynamometer

PART #	DESCRIPTION
329	Jaymar style handgrip. Measure grip strength with this strain-gauge based isometer sensor. Operational range 0 to 889N (0 to 200 lbF) Sensitivity 25mV/lbF, uses one channel.

Inline Multi-Mode Footswitch Sensor

PART #	DESCRIPTION
085-4	Adjustable TTL mode footswitch probes - 4 FSR sensors for each foot. Adjustable TTL modes include: simple on/off mode, two or four quadrant mode. Perfect for use in bilateral gait studies. Includes a battery driven amplifier box and system cable.
085-IS	Adjustable TTL mode footswitch probes with two insoles
REPLACEMENT PARTS:	
FSR1	Individual FSR 1 sq cm sensing area
FSR2	Individual FSR 1.5 inch square (upon request)
	One pair of insoles (please specify size)

Part Number	US Size	EU Size	Length (cm)
085F1	Men 7	39	26
085F2	Men 9	43	28
085F3	Men 11	44.5	30
085F4	Women 5	35	24
085F5	Women 7	37.5	25
085F6	Women 9	40	27

085A	MM footswitch input cable
FSA1	Footswitch sensor assembly with 4 FSRs - one foot (unilateral gait)
CBL12	MM footswitch output cable for MS1400
CBL16	Dual active lead adapter cable for TM2400
390A	BNC 20' output cable (3.5mmM to BCN x2)

MEASUREMENT ACCESSORIES

BIOMECHANICAL MEASUREMENT ACCESSORIES

Compact Wireless Sync Trigger

PART #	DESCRIPTION
239	Allows for synchronization of mobile TELEmyo systems with other stationary biomechanical devices, such as force plates. Receiver must plug into the sync port on the TELEmyo. Transmitter includes input/output cable to third party devices. AMERICAN part #239: EUROPEAN part #241

Wireless Sync Trigger

PART #	DESCRIPTION
238	Wireless sync trigger uses one analog input channel. Battery powered unit for synchronization of (2) TELEmyo 2400/2400R systems external sync with other biomechanical devices. AMERICAN part #238; EUROPEAN part #240

BNC Patch Board

PART #	DESCRIPTION
155	16 Channel BNC signal routing unit enables analog outputs from Noraxon instruments to BNC connectors. Connects directly to Noraxon devices with a short DB25 cable (supplied).

Analog Input System (AIS)

PART #	DESCRIPTION
222	Measure and synchronize analog signals from third party instruments with EMG and motion capture systems. Signals can be terminated to the AIS with stripped and tinned wires or a DB25 cable. Premade cables are available. Custom cables can be requested.

Analog Input System (AIS) with BNC Inputs

PART #	DESCRIPTION
222 BNC	Measure and synchronize analog signals from third party instruments with EMG and motion capture systems. Signals can be terminated to the AIS with BNC cables.

AIS Premade Cables

PART #	DESCRIPTION
222D	DTS & TM2400R G2 Analog Connection Cable to AIS
222E	Biodex System 3 & 4 Analog Connection Cable to AIS
222F	CSMI (Cybex Norm) Analog Connection Cable to AIS
222G	AMTI MSA6 Force Plate Amplifier Connection Cable to AIS
222H	Bertec AM6501 Force Plate Amplifier Analog Connection Cable to AIS
222X	AIS to second AIS link cable

Sync Light

PART #	DESCRIPTION
228	Allows flash synchronization of video to other Noraxon sensor systems. "Test" button allows for the device to be tested without an external sync signal.

BIOMECHANICAL MEASUREMENT ACCESSORIES

myoSYNC (Master Sync)

PART #	DESCRIPTION
262	Central sync controller. Enables Noraxon software to provide the sync signal or allows for an external system to deliver the signal via a 3.5mm stereo jack. *Includes (5) sync out ports

myoSYNC Accessories

PART #	DESCRIPTION
262A	Wireless sync transmitter plug in module_916 MHz (American)
233A	Self powered wireless sync receiver_916 MHz for part 262A
234A	Inline wireless sync receiver_916 MHz for part 262A
262B	Wireless sync transmitter plug in module_868 MHz (European)
233B	Self powered wireless sync receiver_868 MHz for part 262B
234B	Inline wireless sync receiver_868 MHz for part 262B
CBLS1	Standard sync cable stereo plug to stereo plug (10 ft)
CBLS3	Syncs DTS Belt Receiver to myoSYNC_3.5mm stereo to 4 pin binder
CBL23	Splitter cable phone plug to dual phone jacks (6 inches)
2912C	BNC sync cable phone plug to BNC (10 ft)
CBLM1	Medilogic sync cable for 233A/233B sync receiver
CBLM2	Medilogic sync cable for 234A/234B sync receiver
2912D	Push button cable for manual triggering

Multitest Sensor

PART #	DESCRIPTION
390	Battery powered source for up to 4 inline sensors Includes output cable (3.5mmM to BNCx2) and 2 AA batteries

Sensor Power Supply Box

PART #	DESCRIPTION
280	Generates precise signals for testing active lead and EMG system performance. Measures impedence at three frequencies (20, 100, 200 Hz). Includes test block, dual active lead adapter cable stereo output cable, electrode test lead (x2) and quick probe lead set

Impedence Checker

PART #	DESCRIPTION
285	Obtain "Pass/Fail" status of electrode electrical connection. Identifies impedence levels of 2K, 5K, 10Kohm (pass) and 50K0hm (fail). Includes electrode test lead (x2), quick probe lead set and user manual.

Noraxon Fabrifoam Straps

PART #	DESCRIPTION
ES2-4	4 Straps - used to secure patient cables, electrodes, DTS probes, etc.
ES2-8	8 Straps - used to secure patient cables, electrodes, DTS probes, etc.
ES2-12	12 Straps - used to secure patient cables, electrodes, DTS probes, etc.
ES2-16	16 Straps - used to secure patient cables, electrodes, DTS probes, etc.

PRE-AMPLIFIED EMG
LEADS & ADAPTER CABLES

PRE-AMPLIFIED EMG LEADS AND ADAPTER CABLES

These products are for use with the myoSYSTEM 1400A, myoTRACE 400 and TELEmyo 2400T.

Pre-Amplified Leads-Snap Ends

PART #	DESCRIPTION
	Active EMG lead (1m); pre-amplifier (gain 500) & 10-1500Hz band-pass
242S	Two snap (1 muscle)
243S	Three snap (1 muscle plus ground reference electrode)

Refurbished Pre-Amplified Leads-Snap Ends

PART #	DESCRIPTION
	Active EMG lead (1m); pre-amplifier (gain 500) & 10-1500Hz band-pass
242SR	Two snap (1 muscle)
243SR	Three snap (1 muscle plus ground reference electrode)
	*Damaged lead must be received before shipment of refurbished lead.

Pre-Amplified Leads-Pinch Ends

PART #	DESCRIPTION
	Active EMG lead (1m); pre-amplifier (gain 500) & 10-1500Hz band-pass
242P	Two pinch (1 muscle)
243P	Three pinch (1 muscle plus ground reference electrode)

Refurbished Pre-Amplified Leads-Pinch Ends

PART #	DESCRIPTION
	Active EMG lead (1m); pre-amplifier (gain 500) & 10-1500Hz band-pass
242PR	Two pinch (1 muscle)
243PR	Three pinch (1 muscle plus ground reference electrode)
	*Damaged lead must be received before shipment of refurbished lead.

Clinical Pre-Amplified Leads-Pinch Ends

PART #	DESCRIPTION
	Active EMG lead (1m); pre-amplifier (gain 1,000) & 20-1500Hz band-pass
246P	Two pinch (1 muscle)
247P	Three pinch (1 muscle plus ground reference electrode)

Refurbished Clinical Pre-Amplified Leads-Pinch Ends

PART #	DESCRIPTION
	Active EMG lead (1m); pre-amplifier (gain 1,000) & 20-1500Hz band-pass
246PR	Two pinch (1 muscle)
247PR	Three pinch (1 muscle plus ground reference electrode)
	*Damaged lead must be received before shipment of refurbished lead.

PRE-AMPLIFIED EMG LEADS AND ADAPTER CABLES

Snap Lead Extenders

PART #	DESCRIPTION
	Allows for a greater distance between the pre-amp and electrode
SLE1	12 in (30.5 cm)
SLE2	24 in (61 cm)
SLE3	36 in (91.4 cm)

Fine Wire Pre-Amplified Leads

PART #	DESCRIPTION
	Active Fine Wire EMG lead (1m); pre-amplifier (gain 1,000) & 20-1500Hz band-pass
245A	Spring connectors
245B	Screw connectors

Pinch End Lead Adapters

PART #	DESCRIPTION
	Converts pre-amplified snap leads to pinch end leads
PEL	Adapters are 5.4 in (13.8 cm) long

Pre-Wired Electrode Adapters

PART #	DESCRIPTION
	Allows the use of pre-wired electrodes with Noraxon's pre-amplified snap EMG leads. These adapters are 8.5 in (21.5 cm) long.
ADP3	Snap-stud to Touchproof 1.5mm Female Adapter
ADP4	Snap-stud to Touchproof 1.5mm Male Adapter
ADP5	Snap-stud to Touchproof 2mm Female Adapter
ADP6	Snap-stud to Touchproof 2mm Male Adapter

Fine Wire Adapters

PART #	DESCRIPTION
	Adapts standard snap connectors for use with fine wire electrodes. Uses a coiled spring for making a connection to the fine wire.
FWA1	Floating fine wire adapter (set of 2 leads)
FWA2	Anchored fine wire adapter (1 board)

EMG ELECTRODES

EMG ELECTORDES

Our electrodes are self-adhesive Ag/AgCl solid gel electrodes for surface EMG applications only. The electrode gel and adhesive are hypo-allergenic. Solid gel is superior to wet gel in that it is more difficult to dry out and almost completely eliminates any bridging.

Noraxon Single Electrode

PART #	DESCRIPTION
	Diameter of circular adhesive area of 3.9cm (1.5 in), diameter of the circular conductive area is 1cm (.44 in). Pouches are resealable.
270	Pouch (contains 30 electrodes)
270Bx	Box (contains 20 pouches of 30 electrodes each = 600 electrodes)

Noraxon Dual Electrode

PART #	DESCRIPTION
	Dimensions of the figure 8-shaped adhesive area are 4cm x 2.2cm (1.56 in x .87 in); diameter of the two circular adhesive areas is 1cm (.44 in); inter-electrode distance is 2cm (.75 in).
272	Pouch (contains 8 dual electrodes)
272Bx	Box (contains 25 pouches of 8 dual electrodes each = 200 electrodes)

Blue Sensor Electrode

PART #	DESCRIPTION
	Manufactured by Ambu with de-centralized snaps.
N00S	Pediatric electrodes, diameter 0.8cm (25 per bag)
M00S	Standard electrodes, diameter 3.8cm (50 per bag)

Fine Wire Electrodes

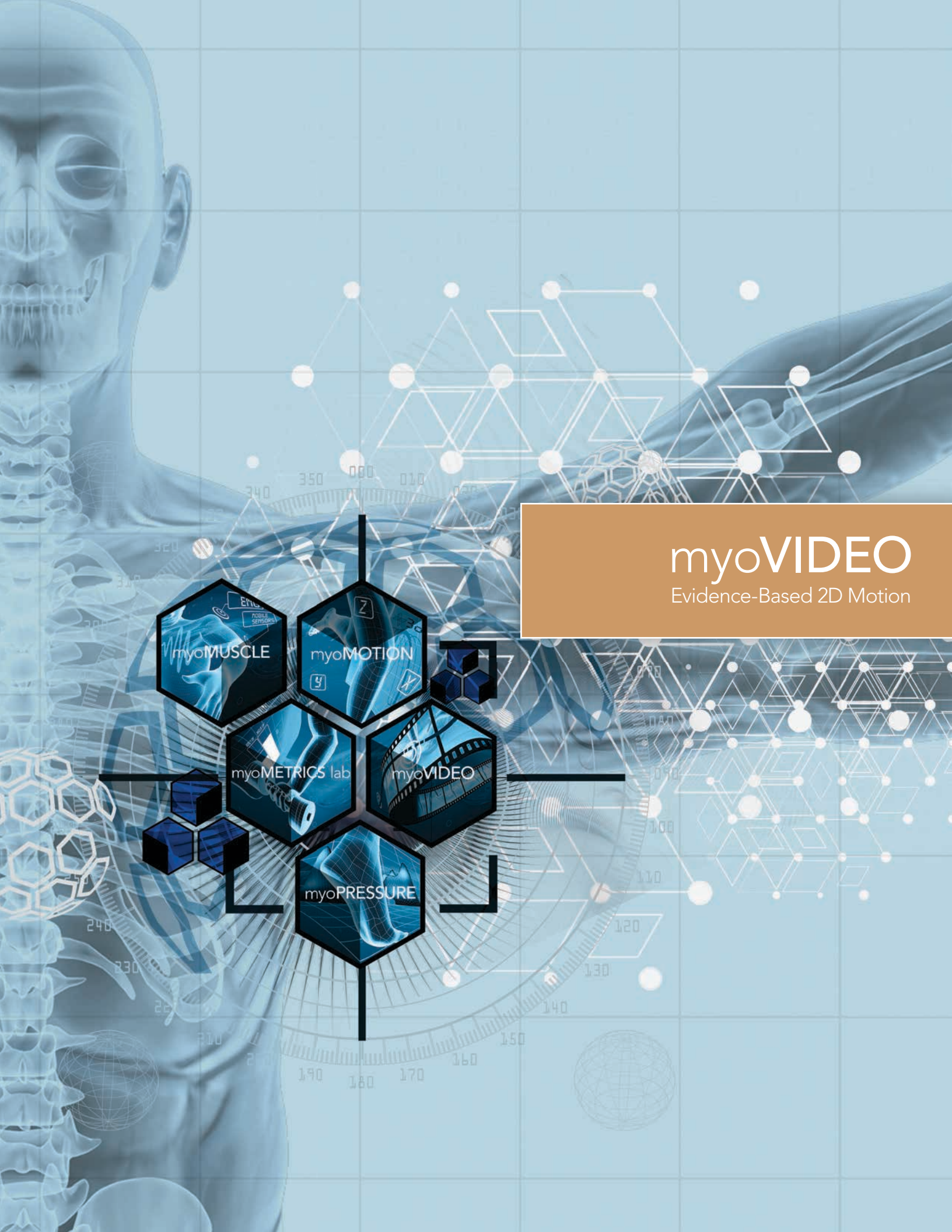
PART #	DESCRIPTION
FWE	20 hooked pair of electrodes per box

Vaginal Probe

PART #	DESCRIPTION
273	2 electrodes for control of pelvic muscles

Rectal Probe

PART #	DESCRIPTION
274	2 electrodes for control of pelvic muscles



myoVIDEO

Evidence-Based 2D Motion

myoVIDEO

myoVIDEO

Video playback with an incorporated multi-screen mode makes our integrated 2D video system extremely powerful. Automatically track angle curves based on three or four reflective markers or an unlimited chain of angles. Intuitive video analysis and processing tools allow for in-depth assessments and side-by-side comparisons. Engaging and educational reports featuring trajectory, displacement, range of motion, tilt angles and distance measurements. All of the raw data is exportable, as well as the x/y coordinates over time, for when you need to dig into the numbers.

The Sync Light and myoSYNC automatically time stamp and synchronize all video cameras with any other measurment devices so your data is perfectly synchronized every time.

[WHAT'S INCLUDED]

- Cameras (varies by package selected)
  * with on-board video compression
- (2) medium size tripods
- Sync Light
- myoSYNC (Master Sync)
- (2) sync cables
- (2) USB extension cables
- myoVIDEO software

SYSTEM PACKAGE

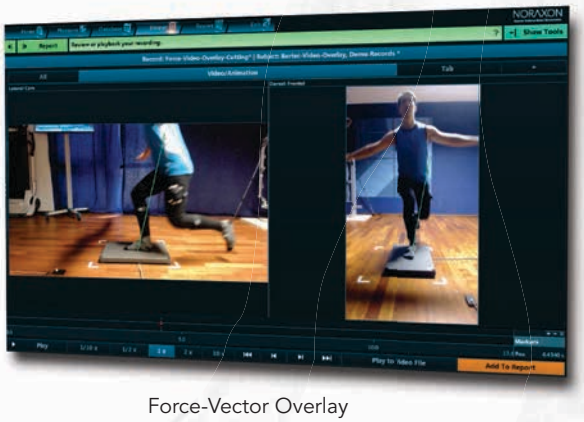
PART #	PRODUCT NAME	DESCRIPTION
138-HD	myoVIDEO HD	High Definition System with (2) 30 FPS 1080p USB cameras
138-Pro	myoVIDEO Pro	High Speed System with (2) 100 FPS greyscale USB cameras*, (2) 30FPS 1080p USB camers, (2) Infrared LED lights, (8) refelctive markers and double-sided tape *4 camera system mounted on 2 tripods*

* Greyscale cameras come with an 800nm frequency filter.

ACCESSORIES

PART #	PRODUCT NAME	DESCRIPTION
138E	Reflective Marker	Additional 19mm reflective marker
138F	LED Light	LED light with 7" mounting bracket
138F-IR	Infrared LED Light	Infrared LED light with 7" mounting bracket
228	Sync Light	Allows flash sync of video to other Noraxon sensors and systems
262	myoSYNC	Master control unit for creating and managing sync signals

Automatic Marker Tracking

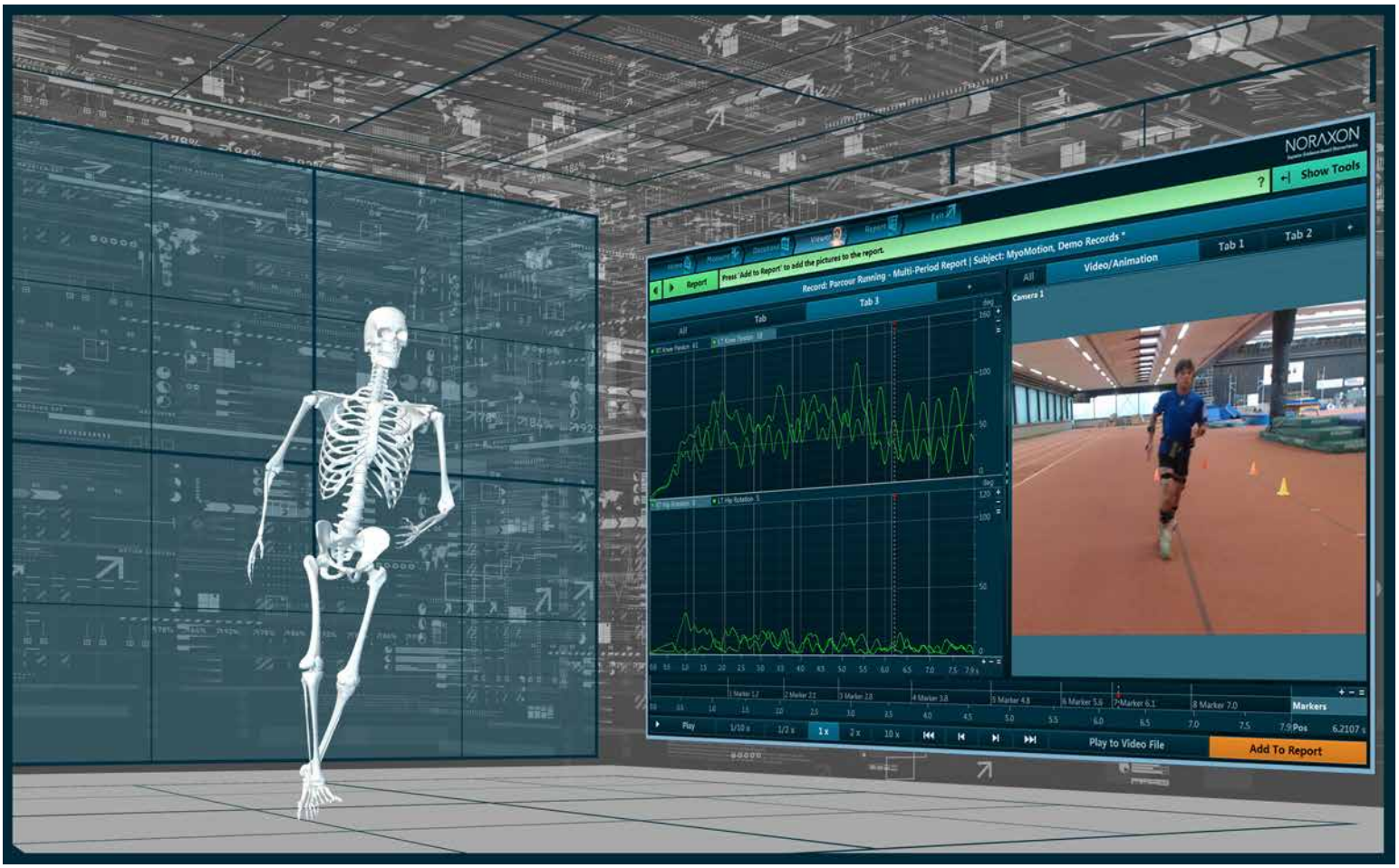


Force-Vector Overlay

myoMOTION

Evidence-Based 3D Human Motion

myoMOTION



ROM Analysis

Motion Capture in Gait

myoMOTION RESEARCH PRO

myoMOTION is a 3D kinematic system that enables the capture of human motion in three DOF. A compact Inertial Measurement Unit (IMU) placed on any segment of the body precisely tracks the 3D angular orientation of that body section. By positioning individual IMU sensors on two contiguous body segments, the intervening joint ROM can be determined. This concept is easily expandable from a single joint of interest to a simultaneous full body measurement across all major articulations. Software provides orientation data and/or linear acceleration data.

The dynamic accuracy of our sensors is second to none. When you need the highest fidelity results from your research there is no other option. Motion capture no longer means being stuck in a lab. Capture the moment in almost any environment with precision and unparalleled speed.

[WHAT'S INCLUDED]

- Research Pro sensors**
- Research Pro receiver*
- myoMOTION software
- USB A to mini B cable
- Attachment straps*
- 200 pieces doublesided tape
- Sensor Charger*
- Up to 200 Hz sampling rate for 16 sensors**

*Quantity depends upon package purchased.
**Research Pro sensors include both a "slow"and a "fast" sensor element set - *(see chart on next page)*

RESEARCH PRO SYSTEM PACKAGE

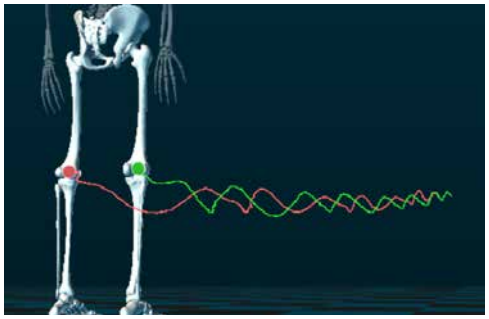
Part #	680-3	680-5	680-7	680-9	680-16
Research Pro sensors [1]	3	5	7	9	16
Research Pro Receiver [2]	1	1	1	1	2
Chargers [3]	1	1	1	1	2
Case	1	1	1	1	1
Pelvic/Thoracic Belt [4]	1	1	1	2	2
Limb Straps Set [6]	4	8	8	12	18
Virtual Foot Swithch	YES	YES	YES	YES	YES

*200Hz sampling rate with 3D modeling OR linear acceleration data; 100Hz sampling rate with 3D modeling AND linear acceleration (see chart) on next page.

SYSTEM UPGRADES (PACKAGE PRICING - NOT SOLD SEPARATELY)

Part #		
610U	Object Sensor	Additional Research Pro Sensor that can be freely assigned to any location on the body or an external object (such as a backpack or the scapula)
681A	High Speed 8	200Hz sampling rate with 3D modeling AND linear acceleration for up to 8 sensors, includes (1) additional research receiver.
681B	High Speed 16	200Hz sampling rate with 3D modeling AND linear acceleration for up to 16 sensors, includes (2) additional research receivers
682	Datalogger [5]	myoMOTION datalogger; records up to 16 sensors for 8+ hours

*Datalogger - sampling rate configuration (see chart on next page)



Visual Translation

myoMOTION SPECIFICATIONS

myoMOTION Comparison	RESEARCH	RESEARCH PRO
Maximum # of sensors	9	16*
Maximum sampling rate (output)	100Hz	200Hz
Orientation & Anatomical (angle) data	Yes	Yes
3D Acceleration Data	Yes	Yes
DTS Foot switch (optional)	Yes	Yes
Datalogger (optional)	Yes	Yes
Object sensors	Yes	Yes
Software - Export of Quaternions	Yes	Yes
Software - Export of raw accelerometer, gyroscope & magnetometer	Yes	Yes
Software - Report editor	Yes	Yes
Accuracy - Static	+/- 1.0 Deg	+/- 0.4 Deg
Accuracy - Dynamic	+/- 2.0 Deg	+/- 1.2 Deg

* Can also have 2 additional object sensors for a total of 18

Sensor Elements	Angular Velocity (gyroscopes)	Acceleration (accelerometers)	Magnetic Field (magnetometers)
Dimension	3 axes	3 axes	3 axes
Slow IMU Element Set (only available in the Research Pro sensors)			
Full Scale	+/- 515 degrees/sec	+/- 1.7g	
Linearity	.01% of FS	0.2% of FS	
Noise	.02 degrees/sec/√Hz	110 ug/√Hz	
Internal Sampling Rate	800 Hz	800 Hz	
Fast IMU Element Set (included in both the Research Pro and Research sensors)			
Full Scale	+/- 2000 degrees/sec	+/- 16g	+/- 1.9 Gauss
Linearity	0.2% of FS		
Noise	.03 degrees/sec/√Hz	220 ug/√Hz	
Internal Sampling Rate	400 Hz	400 Hz	70 Hz

Number of Receiver Modules	Number of IMU Sensors Supported			
	3D Orientation Only		3D Orientation Plus Linear Acceleration	
	100 Hz/sensor	200 Hz/sensor	100 Hz/sensor	200 Hz/sensor
1	9	9	9	4
2	18	18	18	8
3	27	27	27	12
4	36	36	36	16

Number of Dataloggers	Number of IMU Sensors Supported			
	3D Orientation Only		3D Orientation Plus Linear Acceleration	
	100 Hz/sensor	200 Hz/sensor	100 Hz/sensor	200 Hz/sensor
1	18	18	18	8
2	36	36	36	16

myoMOTION RESEARCH SYSTEM

myoMOTION is a 3D kinematic system that enables the capture of human motion in three DOF. A compact Inertial Measurement Unit (IMU) placed on any segment of the body precisely tracks the 3D angular orientation of that body section. By positioning individual IMU sensors on two contiguous body segments, the intervening joint ROM can be determined. This concept is easily expandable from a single joint of interest to a simultaneous full body measurement across all major articulations. Software provides orientation data and/or linear acceleration data.

[WHAT'S INCLUDED]

- Research sensors**
- Research receiver*
- myoMOTION software
- USB A to mini B cable
- Attachment straps*
- 200 pieces doublesided tape
- Sensor Charger

*Quantity depends upon package purchased.
**Research sensors include the "fast" sensor element set only - *(see chart on previous page)*

RESEARCH SYSTEM PACKAGE

Part #	684-3	684-5	684-7	648-9
Research Sensors [1]	3	5	7	9
Research Receiver [2]	1	1	1	1
Charger [3]	1	1	1	1
Case	1	1	1	1
Pelvic/Thoracic Belt [5]	1	1	1	2
Limb Straps [6]	4	8	12	12
Virtual Foot Switch	YES	YES	YES	YES

ACCESSORIES FOR BOTH RESEARCH & RESEARCH PRO PACKAGES

PART #	PRODUCT NAME	DESCRIPTION
610	Research Sensor	Replacement research sensor
680	Research Receiver	Replacement research receiver
616	Clinical Sensor [1]	Replacement clinical sensor
684	Clinical Receiver [2]	Replacement clinical receiver
613	Charger [3]	Sensor charger
610D	Belt [4]	Pelvic/lower thoracic belt
610E	Velcro Strap	Upper Thoracic
610H	Velcro Strap	Hand Strap
610J	Velcro Strap	Head Strap
610L	Velcro Strap	Limb Large
610M	Velcro Strap [5]	Limb Medium
610S	Velcro Strap	Limb Small
610-SetA	Strap Set A	3 sensor set: 2 velcro straps, 1 belt
610-SetB	Strap Set B	5 sensor set: 8 velcro straps, 1 belt
610-SetC	Strap Set C	7 sensor set: 12 velcro straps, 1 belt
610-SetD	Strap Set D	16 sensor set: 18 velcro straps, 2 belt
610C	Sensor Tape	500 pieces of doublesided medical tape

1

2

3

4

5

myoPRESSURE

Evidence-Based Pressure Analysis

DPM: DYNAMIC PRESSURE MEASUREMENT

DPM-T LIDO PRESSURE TREADMILL

The DPM instrumented treadmills are unique in that they are the only capacitive pressure treadmills in the world. With over 2,500 pre-calibrated capacitive sensors built into the treadmill's deck, the Lido is extremely accurate and user-friendly. The analysis of force and pressure distribution during standing and walking can be completed in less than 30 seconds. All pressure, spatial, and temporal parameters are compared in an easy-to-read report that also provides side-by-side comparisons.

USE AS NON-SPORT ONLY

[WHAT'S INCLUDED]

- Instrumented deck with 2560 Capacitive Sensors
- 18" x 50" Treadbelt
- Backlit LCD Display
- myoPRESSURE software
- USB connection
- Power supply (Only Available in 110V)

[FEATURES]

- User weight capacity: 200 lbs.
- Measuring range 1-120N
- 0.5 - 8 mph forward speed (no reverse)
- 2.0 continuous horsepower motor
- Sampling rate of 100Hz

SYSTEM PACKAGE

PART #	PRODUCT NAME	DESCRIPTION
720	DPM-TL	Lido light duty, portable treadmill

ACCESSORIES

PART #	PRODUCT NAME	DESCRIPTION
700A	Interface Box	Replacement FDM-T Interface Box
700B	Power Supply	Replacement interface power supply
700C	Sync Cable	Sync cable

Clinical Gait Analysis

DPM-T SCIFIT PRESSURE TREADMILL

The DPM instrumented treadmills are unique in that they are the only capacitive pressure treadmills in the world. With over 5,000 pre-calibrated capacitive sensors built into the treadmill's deck, the SciFit is extremely accurate and user-friendly. The analysis of force and pressure distribution during standing, walking, and running can be completed in less than 30 seconds. All pressure, spatial, and temporal parameters are compared in an easy-to-read report that also provides side-by-side comparisons.

[WHAT'S INCLUDED]

- Instrumented deck with 5376 Capacitive Sensors
- 22" x 62" Treadbelt
- Backlit LCD Display
- myoPRESSURE software
- USB connection
- Power supply (110v or 220v)

[FEATURES]

- User weight capacity: 550 lbs.
- Measuring range 1-120N
- 0.1-12 mph forward speed
- Reverse up to 4 mph
- Optional 8 mph reverse speed
- 3.0 continuous horsepower motor
- Sampling rate of 100Hz
- 0% - 15% Elevation
- -15% - 0% Elevation (when using reverse)

SYSTEM PACKAGE

PART #	PRODUCT NAME	DESCRIPTION
730	DPM-T SCIFIT	SciFit medical grade treadmill

SYSTEM UPGRADES

PART #	PRODUCT NAME	DESCRIPTION
733	Reverse Upgrade	Upgrade to 8 mph reverse

ACCESSORIES

PART #	PRODUCT NAME	DESCRIPTION
700A	Interface Box	Replacement FDM-T Interface Box
700B	Power Supply	Replacement Interface power supply
730A	Rails[1]	Extra long side arm rails
700C	Sync Cable	Sync cable

Pressure & Force Gait Analysis

1

DPM-T MERCURY PRESSURE TREADMILL

** Not available in all countries, average shipping price is $5,000. **

The DPM instrumented treadmills are unique in that they are the only capacitive pressure treadmills in the world. With up to 7,000 pre-calibrated capacitive sensors built into the treadmill's deck, the Mercury is extremely accurate and user-friendly. The analysis of force and pressure distribution during standing, walking, and running can be completed in less than 30 seconds. All pressure, spatial, and temporal parameters are compared in an easy-to-read report that also provides side-by-side comparisons. Additionally, with the optional "safety arch," the Mercury is the perfect solution for rehabilitation, especially in a hospital setting.

[WHAT'S INCLUDED]

- Instrumented deck with Capacitive Sensors
- 20" x 59" Treadbelt
- Backlit LCD Display
- myoPRESSURE software
- USB connection
- 220V Power supply

[FEATURES]

- User weight capacity: 440 lbs.
- Measuring range 1-120N
- 0.1 - 14 mph forward speed
- 0% - 28% elevation
- 4.5 HP + 3 phase AC motor
- 120Hz sampling rate

SYSTEM PACKAGE

PART #	PRODUCT NAME	DESCRIPTION
740	DPM-TM	Rehabilitation & Sports performance treadmill - 3,432 sensors

SYSTEM UPGRADES (PACKAGE PRICING - NOT SOLD SEPARATELY)

PART #	PRODUCT NAME	DESCRIPTION
750U	Research Upgrade	Increasesd density of sensors for more accuracy - 7,168 sensors
751	Medical Upgrade	Upgrade to medical version treadmill (leakage protection)
752	Reverse Upgrade	Optional reverse belt rotation
753	High Speed	Upgrade to 18.6 mph forward speed
754	Modular Extension	Upgrade to 240Hz sampling rate

ACCESSORIES

PART #	PRODUCT NAME	DESCRIPTION
757	Safety Arch	Safety arch with fall stop
758	Hand Rails	Hand rails, short or long
759	Adj. Hand Rails	Hand rails, adjustable
700A	Interface Box	Replacement FDM-T Interface Box
700B	Power Supply	Replacement interface power supply
700C	Sync Cable	Sync cable

DPM-T QUASAR PRESSURE TREADMILL

** Not available in all countries, average shipping price is $5,000. **

The DPM instrumented treadmills are unique in that they are the only capacitive pressure treadmills in the world. With up to 10,000 pre-calibrated capacitive sensors built into the treadmill's deck, the Quasar is extremely accurate and user-friendly. The analysis of force and pressure distribution during standing, walking, and running can be completed in less than 30 seconds. All pressure, spatial, and temporal parameters are compared in an easy-to-read report that also provides side-by-side comparisons. Additionally, with the optional "safety arch" and high speed option the Quasar is the perfect solution for sports performance applications.

[WHAT'S INCLUDED]

- Instrumented deck with Capacitive Sensors
- 25.6" x 66.9" Treadbelt
- Backlit LCD Display
- myoPRESSURE software
- USB connection
- 220V Power supply

[FEATURES]

- User weight capacity: 440 lbs.
- Measuring range 1-120N
- 0.1-15 mph forward speed
- 0% - 24% elevation
- 3.0 HP + 3 phase AC motor
- 120Hz sampling rate
- Shock load reduction for joints

SYSTEM PACKAGES

PART #	PRODUCT NAME	DESCRIPTION
760	DPM-TQ	Rehabilitation & sports performance treadmill - 4,576 sensors

SYSTEM UPGRADES (PACKAGE PRICING - NOT SOLD SEPARATELY)

PART #	PRODUCT NAME	DESCRIPTION
770U	Research Upgrade	Increasesd density of sensors for more accuracy - 10,240 sensors
771	Medical Upgrade	Upgrade to medical version treadmill (leakage protection)
772	Reverse Upgrade	Optional reverse belt rotation
773	High Speed	Upgrade to 24.8 mph forward speed
774	Modular Extension	Upgrade to 300Hz sampling rate

ACCESSORIES

PART #	PRODUCT NAME	DESCRIPTION
777	Safety Arch	Safety arch with fall stop
778	Hand Rails	Hand rails, long
779	Adj. Hand Rails	Hand rails, adjustable
700A	Interface Box	Replacement FDM-T Interface Box
700B	Power Supply	Replacement interface power supply
700C	Sync Cable	Sync cable

DPM PRESSURE PLATFORMS

Our pressure platforms are extremely robust and accurate. In fact, these platforms are so durable that the Athletes Foot® in Australia decided to put over 120 of them in there stores with over 1,000,000 measurements in the first year alone!
With up to 11,000 individually-calibrated capacitive sensors in each platform you can quickly and efficiently conduct stance tests, analyze roll-off patterns and conduct balance and equilibrium analyses. Also assists in the diagnose of foot deformities, foot function and stance.

[WHAT'S INCLUDED]

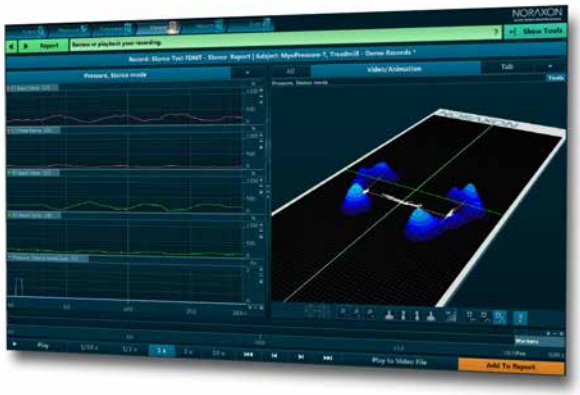
- Dynamic Pressure Measurement platform
- myoPRESSURE software
- Power supply
- USB connection

SYSTEM PACKAGES

PART #	PRODUCT NAME	DESCRIPTION
704	DPM-Plate	Pressure measurement plate - 12.6" x 24.1", 2186 Sensors
709	DPM Walkway	...to be determined. Ready by 2016
710	DPM-1.5	1.5 measurement platform - 23.8" x 62.2", 11264 sensors

ACCESSORIES

PART #	PRODUCT NAME	DESCRIPTION
700B	Power Supply	Replacement interface power supply
700C	Sync Cable	Sync cable



Stance Analysis

WIRELESS INSOLES: MEDILOGIC

MEDILOGIC PRESSURE INSOLES

The Medilogic® foot pressure measuring system offers recording of static and dynamic pressure under the foot, inside the shoe. Thin, flexible insoles, with a high number of sensors, record the plantar pressure distribution. For the first time, completely wireless transmission provides instant display of the pressure values during the measurement without incumbering the patient with a hindering cable connection to the computer or the need to wear a belt re-transmitter. The high resolution of the pressure load distribution at sample rates up to 400 Hz, offers the examiner an instrument to analyze the course of motion in any environment.

[WHAT'S INCLUDED]

- 5 FLEX Pressure Insoles
- Patient transmitter
- Computer receiver
- myoPRESSURE software
- USB interface cable
- Velcro strips
- Instrument case

*Standard insoles sizes included are: 37/38 - 45/46 unless otherwise requested.

Standard Insoles Sizes Chart

EU Size	EU Size	EU Size
21/22	31/32	41/42
23/24	33/34	43/44
25/26	35/36	45/46
27/28	37/38	47/48
29/30	39/40	49/50

SYSTEM PACKAGE

PART #	PRODUCT NAME	DESCRIPTION
780	FLEX System	Medilogic FLEX system with 60Hz sample rate (includes 5 pairs of insoles)
789	WLAN System [1]	Medilogic wireless system with 400 Hz sample rate (includes 5 pairs of insoles)

SYSTEM UPGRADES (PACKAGE PRICING - NOT SOLD SEPARATELY)

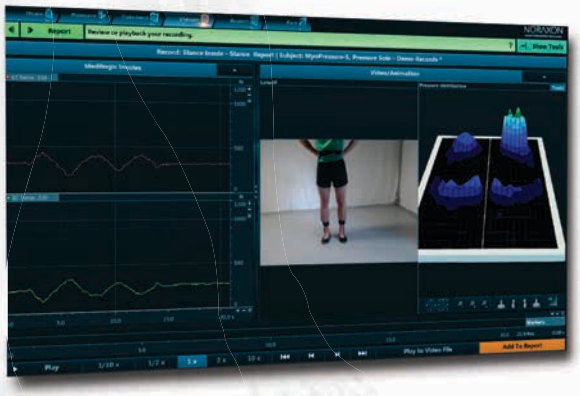
PART #	PRODUCT NAME	DESCRIPTION
781	FLEX Sport Upgrade	Medilogic FLEX Sport upgrade to sample rate max. 300Hz
788	WLAN Sync Module	Wireless sync module for WLAN system

ACCESSORIES

PART #	PRODUCT NAME	DESCRIPTION
780A	Standard Insoles	1 pair standard size insoles (choose your size from chart below)
780B	Custom Insoles **	1 pair of custom size insoles (size must be between 10cm x 30cm)
780C	Ski Boot Insoles	1 Pair of standard size insoles designed to fit into a ski boot (longer lead wire)
782	FLEX Datalogger	Datalogger for FLEX system only (Does not work with myoPRESSURE software)

* Insole life is 2,000+ uses

** For custom insoles, please draw the shape you are requesting in a box no larger than 10xm x 30cm



Portable Pressure Analysis

1

REHAwalk

REHAwalk

A Progressive Rehabilitation Program For Gait Training.

The REHAwalk® concept is a gait analysis and training system. The system includes an instrumented treadmill with a pressure sensor matrix, a unit for projecting the step pattern within the platform, a screen for projecting the individual foot steps, virtual feedback training and a processing unit. The system also has a stress and balance testing module.

[WHAT'S INCLUDED]

- Instrumented deck with capacitive sensors
- 25.6" x 66.9" Treadbelt with Reverse
- Backlit LCD Display
- Zebris FDM-T Software
- myoPRESSURE Software
- USB connection
- Forest Walk (virtual reality) Software
- Visual Stimulation Software (foot projection)
- Safety Arch
- Fully Customized & Installed Computer
- Foot Step Projector
- Medical grade with leakage protection
- 220V power supply

[FEATURES]

- User weight capacity: 440 lbs.
- Measuring range 1-120N
- 0.1-15.5 mph forward speed
- 0% - 28% elevation
- 3.0 HP + 3 phase AC motor
- 120Hz sampling rate
- Shock load reduction for joints

SYSTEM PACKAGE (PACKAGE PRICING - NOT SOLD SEPARATELY)

PART #	PRODUCT NAME	DESCRIPTION
761R	DPM-TQ REHAwalk	Medical grade treadmill - 4,576 sensors

SYSTEM UPGRADES (PACKAGE PRICING - NOT SOLD SEPARATELY)

PART #	PRODUCT NAME	DESCRIPTION
770U	Research Upgrade	Increasesd density of sensors for more accuracy - 10,240 sensors
773	High Speed	Upgrade to 24.8 mph forward speed
774	Modular Extension	Upgrade to 300Hz sampling rate

ACCESSORIES

PART #	PRODUCT NAME	DESCRIPTION
777-UW	Unweighting System	Unweighting System (300 lbs. max weight and 6'6" tall)
778	Hand Rails	Hand rails, long
779	Adj. Hand Rails	Hand rails, adjustable
700A	Interface Box	Replacement FDM-T Interface Box
700B	Power Supply	Replacement interface power supply
700C	Sync Cable	Sync cable

myoMETRICS lab

myoMETRICS lab

The ULTIMATE Biomechanics Lab

myoMETRICS lab IS A COMPREHENSIVE RESEARCH-GRADE SOLUTION. This revolutionary turnkey evidence-based solution includes the equipment, hardware, software, configuration,training, furnishings and installation required. Now you can provide cutting edge biomechanics assessments no matter the size of your space or the technical ability of your staff. It's plug and play, and it's available for you to showcase your expertise.

[WHAT'S INCLUDED]

- Unlimited virtual support
- 1 day onsite training
- 5 customized reports
- myoRESEARCH software with all modules

RESEARCH PACKAGES

PART #	PRODUCT NAME	DESCRIPTION
MML-R1	Mobile Lab	Portable version of a traditional biomechanics lab. Includes: Medilogic WLAN with wireless sync, TELEmyo DTS 16 channel, myoMOTION Research Pro 16 channel, myoVIDEO HD and DTS Biosensor. Part #s: 789, 788, 580-16M, 680-16, 138-HD and 552
MML-R2	Gait Lab	Full biomechancis lab. Includes: Desktop DTS 16 channel, myoMOTION Research Pro 16, myoVIDEO HD and (AIS) Analog Input System (for force plate or isokinetic connectivity - force plate and isokinetic devices sold separately). Part #s: 587-16M, 680-16,138-HD and 222

SPORTS PERFORMANCE PACKAGE

PART #	PRODUCT NAME	DESCRIPTION
MML-S1	Sports Lab	Portable biomechanics lab to study athletes in their environment. Includes: Medilogic WLAN with wireless sync, TELEmyo DTS 8 channel, myoMOTION Research 9 channel, myoVIDEO HD and DTS Biosensor. Part #s: 789, 788, 580-8M, 684-9, 138-HD and 552

CLINICAL PACKAGE

PART #	PRODUCT NAME	DESCRIPTION
MML-C1	Rehabilitation Lab	Clinical biomechanics lab to assess and study rehabilitation. Includes: DPM-T SciFit, Clinical DTS 8 channel, myoMOTION Research 9 channel and myoVIDEO HD. Part #s: 730, 584-8C, 684-9 and 138-HD

SUGGESTED OPTIONS & UPGRADES

PART #	PRODUCT NAME	DESCRIPTION
MML-TU	Treadmill Upgrade	Upgrade from SciFit tradmill to Quasar high speed treadmill Part #s: 760, 770U, 772, 773 and 777 - remove part #730
MML-MU	3D Upgrade	Upgrade from myoMOTION Research 9 to Research Pro 16 Part #s: 680-16 - remove part #684-9
MML-VU	Video Upgrade	Upgrade from myoVIDEO HD to myoVIDEO Pro Part #s: 138-Pro - remove part #138-HD
MML-G	Wall Graphics	320 sq. ft. of wall graphics professionally installed
MML-E	Marketing Package	Education brochure, wall posters and and web links
PC&Cart	Computer & cart	Medical cart, computer, dual 23" screens

POLICY

RETURN POLICY

Return Authorization:
Before a Noraxon product is returned for credit consideration, approval for the return must be requested by phoning Noraxon customer service 1.800.364.8985 or 480.443.3414 and requesting an RMA number. Returns may be subject to a 15% restocking fee.

Return of Products:
The customer must provide all of the following information for the products to be considered for a return authorization approval and credit processing:

> Part number and quantity of each item to be returned
> Invoice number and purchase order number (if available)
> Reason for return

Condition of Returned Goods:
All products, which are in saleable condition, may be returned for credit. Products are generally not considered saleable if they are: discontinued from sale, a custom product, the packaging is opened, there is damage, they have been used or they are expired.

Credit policy for unused products:
Credit will be given only after the product has been received and inspected. All returned goods (in saleable condition) must be received by Noraxon within thirty (30) days from the date of purchase (determined by the invoice date).

Return Location:
All products should be returned to the corporate office of Noraxon with freight and insurance prepaid by the customer within five (5) business days of receiving Return Authorization approval. All returned products must be accompanied by the return authorization number written on a copy of the original invoice.

Damage during shipping:
Noraxon uses a Third-Party shipping agent and fully insures each order. Damage during delivery is therefore the sole responsibility of the shipping company. Orders should be thoroughly inspected when received. Claims for damaged goods must be subrogated with the shipper. Therefore, if a package and/or its contents appear to be damaged (during shipping), please contact us for specific instructions prior to moving or disposing of items and/or their packaging. Should a claim need to be filed, the shipping company would need to take photos of everything "as is."

WARRANTY

Return Authorization:
Noraxon extends warranty coverage for a period of one (1) year based on the date of product shipment from Scottsdale, Arizona. Coverage is on all parts, labor and hardware.

Noraxon's warranty is limited to proper use of the product as described in the product operations manual. It does not cover damages due to accident or abuse. It is the customer's responsibility to report all warranty issues in a timely manner as soon as a problem is identified. The warranty does not cover and specifically excludes claims for loss of customer revenues based on the inability to use Noraxon's product.

The standard method of resolving warranty issues is for the customer to send the defective product back to Noraxon for evaluation. During the first two (2) months, Noraxon, at its discretion, may either correct the issues on the original product or exchange the defective product with another.

Extended coverage beyond the terms described in the standard warranty are available at an additional cost.

WWW.NORAXON.COM

NORAXON

Evidence-Based Biomechanics

15770 N. Greenway-Hayden Loop, Suite 100
Scottsdale, AZ 85260
480.443.3413 | 800.364.8985